

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/783,672A

Source: FFWO

Date Processed by STIC: 12-8-04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 12/08/2004

PATENT APPLICATION: US/10/783,672A

TIME: 16:24:45

Input Set : A:\Slk2019u.app

Output Set: N:\CRF4\12072004\J783672A.raw

3 <110> APPLICANT: EMERSON, BEVERLY MARIE
4 KADAM, SHILPA B.
6 <120> TITLE OF INVENTION: METHODS OF MODULATING GENE EXPRESSION
8 <130> FILE REFERENCE: SLK-2019-UT
10 <140> CURRENT APPLICATION NUMBER: 10/783,672A
11 <141> CURRENT FILING DATE: 2004-02-20
13 <150> PRIOR APPLICATION NUMBER: 60/450,771
14 <151> PRIOR FILING DATE: 2003-02-26
16 <160> NUMBER OF SEQ ID NOS: 4
18 <170> SOFTWARE: PatentIn Ver. 3.2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 26
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
27 peptide motif
29 <220> FEATURE:
30 <221> NAME/KEY: MOD_RES
31 <222> LOCATION: (1)
32 <223> OTHER INFORMATION: Tyr or Phe
34 <220> FEATURE:
35 <221> NAME/KEY: MOD_RES
36 <222> LOCATION: (2)
37 <223> OTHER INFORMATION: Variable amino acid
39 <220> FEATURE:
40 <221> NAME/KEY: MOD_RES
41 <222> LOCATION: (4)..(7)
42 <223> OTHER INFORMATION: This region may encompass 2 to 4 variable amino
43 acid residues.
45 <220> FEATURE:
46 <221> NAME/KEY: MOD_RES
47 <222> LOCATION: (9)..(11)
48 <223> OTHER INFORMATION: Variable amino acid
50 <220> FEATURE:
51 <221> NAME/KEY: MOD_RES
52 <222> LOCATION: (12)
53 <223> OTHER INFORMATION: Phe or Tyr
55 <220> FEATURE:
56 <221> NAME/KEY: MOD_RES
57 <222> LOCATION: (13)..(17)
58 <223> OTHER INFORMATION: Variable amino acid
60 <220> FEATURE:

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61 <221> NAME/KEY: MOD_RES
62 <222> LOCATION: (19)..(20)
63 <223> OTHER INFORMATION: Variable amino acid
65 <220> FEATURE:
66 <221> NAME/KEY: MOD_RES
67 <222> LOCATION: (22)..(25)
68 <223> OTHER INFORMATION: This region may encompass 3 to 4 variable amino
69     acid residues.
71 <400> SEQUENCE: 1
W--> 72 Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
73     1             5             10             15
75 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
76     20             25
79 <210> SEQ ID NO: 2
80 <211> LENGTH: 56
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
86     peptide motif
88 <220> FEATURE:
89 <221> NAME/KEY: MOD_RES
90 <222> LOCATION: (2)..(3)
91 <223> OTHER INFORMATION: Variable amino acid
93 <220> FEATURE:
94 <221> NAME/KEY: MOD_RES
95 <222> LOCATION: (5)..(17)
96 <223> OTHER INFORMATION: Variable amino acid
98 <220> FEATURE:
99 <221> NAME/KEY: MOD_RES
100 <222> LOCATION: (19)..(20)
101 <223> OTHER INFORMATION: Variable amino acid
103 <220> FEATURE:
104 <221> NAME/KEY: MOD_RES
105 <222> LOCATION: (22)..(36)
106 <223> OTHER INFORMATION: This region may encompass 14 to 15 variable amino
107     acid residues
109 <220> FEATURE:
110 <221> NAME/KEY: MOD_RES
111 <222> LOCATION: (38)..(42)
112 <223> OTHER INFORMATION: Variable amino acid
114 <220> FEATURE:
115 <221> NAME/KEY: MOD_RES
116 <222> LOCATION: (44)..(52)
117 <223> OTHER INFORMATION: Variable amino acid
119 <220> FEATURE:
120 <221> NAME/KEY: MOD_RES
121 <222> LOCATION: (54)..(55)
122 <223> OTHER INFORMATION: Variable amino acid

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124 <400> SEQUENCE: 2

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W--> 125 Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      126   1           5           10           15
      128 Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      129           20           25           30
      131 Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
      132           35           40           45
      134 Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys
      135           50           55
      138 <210> SEQ ID NO: 3
      139 <211> LENGTH: 32
      140 <212> TYPE: PRT
      141 <213> ORGANISM: Artificial Sequence
      143 <220> FEATURE:
      144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
      145 peptide motif
      147 <220> FEATURE:
      148 <221> NAME/KEY: MOD_RES
      149 <222> LOCATION: (3)..(5)
      150 <223> OTHER INFORMATION: This region may encompass 1 to 3 variable amino
      151 acid residues
      153 <220> FEATURE:
      154 <221> NAME/KEY: MOD_RES
      155 <222> LOCATION: (12)..(13)
      156 <223> OTHER INFORMATION: Variable amino acid
      158 <220> FEATURE:
      159 <221> NAME/KEY: MOD_RES
      160 <222> LOCATION: (20)
      161 <223> OTHER INFORMATION: Variable amino acid
      163 <220> FEATURE:
      164 <221> NAME/KEY: MOD_RES
      165 <222> LOCATION: (28)
      166 <223> OTHER INFORMATION: Variable amino acid
      168 <220> FEATURE:
      169 <221> NAME/KEY: MOD_RES
      170 <222> LOCATION: (30)
      171 <223> OTHER INFORMATION: Variable amino acid
      173 <400> SEQUENCE: 3
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      175   1           5           10           15
      177 Ser Ala Gln Xaa Arg Lys Thr Ala Glu Asn Gln Xaa Arg Xaa Arg Lys
      178           20           25           30
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      185 <211> LENGTH: 25
      186 <212> TYPE: PRT
      187 <213> ORGANISM: Artificial Sequence
      189 <220> FEATURE:
      190 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
      191 peptide motif

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193 <220> FEATURE:
194 <221> NAME/KEY: MOD_RES
195 <222> LOCATION: (2)..(3)
196 <223> OTHER INFORMATION: Variable amino acid
198 <220> FEATURE:
199 <221> NAME/KEY: MOD_RES
200 <222> LOCATION: (5)..(21)
201 <223> OTHER INFORMATION: Variable amino acid
203 <220> FEATURE:
204 <221> NAME/KEY: MOD_RES
205 <222> LOCATION: (23)..(24)
206 <223> OTHER INFORMATION: Variable amino acid
208 <400> SEQUENCE: 4
W--> 209 Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      210  1          5          10          15
      212 Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Cys
      213          20          25

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/783,672A

DATE: 12/08/2004
TIME: 16:24:46

Input Set : A:\Slk2019u.app

Output Set: N:\CRF4\12072004\J783672A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,4,5,6,7,9,10,11,12,13,14,15,16,17,19,20,22,23,24,25
Seq#:2; Xaa Pos. 2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,20,22,23,24,25,26
Seq#:2; Xaa Pos. 27,28,29,30,31,32,33,34,35,36,38,39,40,41,42,44,45,46,47
Seq#:2; Xaa Pos. 48,49,50,51,52,54,55
Seq#:3; Xaa Pos. 3,4,5,12,13,20,28,30
Seq#:4; Xaa Pos. 2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,23,24

VERIFICATION SUMMARY

DATE: 12/08/2004

PATENT APPLICATION: US/10/783,672A

TIME: 16:24:46

Input Set : A:\Slk2019u.app

Output Set: N:\CRF4\12072004\J783672A.raw

L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4